JMYS-137US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

To Be Assigned

Applicants:

Stephen Bailey et al.

Filed:

Herewith

Title:

SELECTIVE HYDROGENATION PROCESS AND CATALYST THEREFOR

TC/A.U.: Examiner:

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO/SB/08A and PTO/SB/08B submitted herewith. A copy of the references listed on the PTO/SB/08A and PTO/SB/08B, other than U.S. patents, is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

European Patent No. 0 124 744 B1 is not in the English language, but an English translation of the claims is included in the reference submitted herewith. Also, pursuant to 37 C.F.R. § 1.98(a)(3), a brief statement of relevance as to this reference follows:

EP 0 124 744 B1 describes hydrogenation catalysts consisting of 0.1 - 60% by weight of a hydrogenating metal or of a hydrogenating metal compound of subgroup VIII of the periodic system of the elements on an inert support, containing 0.1 - 10% by weight of K_2O and, optionally, 0.001 - 10% by weight of an additive from the group comprising calcium, magnesium, barium, lithium, sodium, vanadium, silver, gold, copper and zinc, in each case

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based on the total weight of the catalyst, the K_2O doping being applied to a catalyst precursor consisting of the hydrogenating component, the support and, optionally, the additive.

This Information Disclosure Statement is being filed concurrently with the abovereferenced application.

Respectfully submitted,

Christopher R. Lewis, Reg. No. 36,201 James C. Abruzzo, Reg. No. 55,890

Attorneys for Applicants

CRL/Irb

Enclosures: PTO/SB/08A and PTO/SB/08B

Copy of five (5) references

Dated: December 5, 2005

P.O. Box 980 Valley Forge, PA 19482-0980 (610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

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I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen Libby

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10/5550501 PTO/SB/08A (07-05)
Approved to see through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for Form 1449A/PTO	Complete if Known					
	Application Number	To Be Assigned				
INFORMATION DISCLOSURE	Filing Date	Herewith				
STATEMENT BY APPLICANT	First Named Inventor	Stephen Bailey				
(Use as many sheets as necessary)	Art Unit					
	Examiner Name					
SHEET 1 of 2	Attorney Docket No.	JMYS-137US				

			U.S. PATENT D	OCUMENTS			
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevan		
Initials*	No.1	Number - Kind Code ^{2 (if known)}	(MM-DD-YYYY)	Applicant of Cited Document	Figures Appear		
	1	US-2002/0068843-A1	06-06-2002	Dai et al.			
	2	US-5,063,194	11-05-1991	Broecker et al.			
	3	US-4,762,956	08-09-1988	Liu et al.			
	4	US-4,404,124	09-13-1983	Johnson et al.			
	5	US-4,126,645	11-21-1978	Collins			
	6	US-4,001,344	01-04-1977	Hoffmann et al.			
	7	US-3,821,323	06-28-1974	Schulze et al.			
	8	US-3,549,720	12-22-1970	Wright et al.	,		
	9	US-3,116,342	12-31-1963	Robinson et al.			
	10	US-3,113,980	12-10-1963	Robinson	· ·		
	11	US-3,068,303	12-11-1962	Pattison			
	12	US-2,946,829	07-26-1960	Likins	4.5		
	13	US-2,909,578	10-20-1959	Andersen	4		
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		FOREIGN PA	TENT DOCUMEN	TS		
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Examiner Initials*	Cite No.1	Country Code ³ - Number ⁴ - Kind Code ^{5 (If known)}	Publication Date (MM-DD-YYYY)	Applicant of Cited Document	Passages or Relevant Figures Appear	
	14	EP-0 124 744-B1	11-14-1984	EC Erdölchemie GmbH		
	15	GB-811,820	04-15-1959	Engelhard Industries, Inc.		
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Signature Considered Considered	Examiner		Date	
	Signature		 Considered	

¹Applicant's unique citation designation number (optional).

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for Form 1449B/PTO	Complete if Known					
	Application Number	To Be Assigned				
INFORMATION DISCLOSURE	Filing Date	Herewith				
STATEMENT BY APPLICANT	First Named Inventor	Stephen Bailey				
(Use as many sheets as necessary)	Art Unit					
	Examiner Name					
SHEET 2 of 2	Attorney Docket No.	JMYS-137US				

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	16	HAYAO IMAMURA et al., "Hydrogenation behavior of propyne on supported Eu-Pd and Yb-Pd bimetallic catalysts with anomalous hydrogen uptake," <i>Journal of Alloys and Compounds</i> , 303-304 (2000), pp. 514-519.	
	17	JUNG H. KANG et al., "Selective hydrogenation of acetylene on Pd/SiO₂ catalysts promoted with Ti, Nb and Ce oxides," Catalysis Today, 63 (2000), pp. 183-188.	
	18	ABDELHAMID BENSALEM et al., "Palladium-Ceria Catalysts: Metal-Support Interactions and Reactivity of Palladium in Selective Hydrogenation of But-1-yne," React. Kinet. Catal. Lett., Vol. 60, No. 1, 1997, pp. 71-77.	
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